

Annex A
Moving Radiological Survey

- Moving surveys are performed to locate the boundaries of the plume and/or the centerline
- Open the beta window
- Put vehicle on internal circulation and keep windows closed. Hold instrument at the window level of the vehicle.
- Travel along designated route at low rate of speed (no greater than 30mph and under speed limit).
- Monitor instrument readings and note changes in instrument response on the WV Field Monitoring Log (Appendix 8).
- Report all readings to Field Monitoring Team Leader
- Report any increase or decrease with respect to background or previous survey readings and log the location on the back of the WV Field Monitoring Log (Appendix 8).
- If the dose rate increases to 1R/hr immediately move away from area to lower dose rate area and seek advice from FMT Leader.

Annex B

Stationary Radiological Survey

- For both open and closed window readings, meter should be held at 6" and 3' (waist level) above the ground
- Allow sufficient time for instrument reading to stabilize (about 5 seconds).
- Note all readings in appropriate columns on WV Monitoring Team Log (Appendix 8, columns C and D).
- Report all readings to Field Monitoring Team Leader
- During an air sample, continually perform stationary radiological survey.
- If the dose rate increases to 1R/hr immediately move away from area to lower dose rate area and seek advice from FMT Leader.

Annex C

Air Sample

- Persons required for air sample are the only people who should exit vehicle when team arrives at monitoring location. Radiological survey should be done during the air sampling process to monitor dose rates.
- Report to assigned location and complete a stationary radiological survey (Annex B).
Note: If open window and closed window readings are different, beta contamination is present and an air sample should be taken as directed by Field Monitoring Team (FMT) Leader.
- Place a clean particulate filter in the front ring of sample holder. Use tweezers to position the filter paper with the rough side outward. Be sure to protect the filter paper from precipitation, etc.
- Insert the sample cartridge, flow arrow inward, into the sample holder. The flow arrow indicates the direction of the airflow. Use the type (charcoal or silver zeolite) of cartridge directed by FMT Leader.
- Install the sample holder on the portable air sampler
- Place five gallon bucket with lid on a protective ground cover and place air sampler on lid of bucket, making sure to position the sampler so the intake is not close to potentially contaminated surfaces.
- Prepare to connect the sampler to power source. Use caution when connecting the air sampler power leads to vehicle battery, specifically avoiding moving engine parts, battery acid and corrosion, and making connection only if the vehicle and sampler are turned off.
- Connect the air sampler to a 12-volt battery, remembering that black (neutral, ground) leads should be connected before red (positive) leads.
- Start timer and turn on the air sampler simultaneously
- Record sample start time on log
- Read the flow rate and determine sampling time for a 10 cubic foot sample, rounding the flow rate down to the nearest ½ cubic foot/minute.

- Sample time = 10 cubic feet / flow rate

1.0 CFM	10 minutes
1.5 CFM	7 minutes
2.0 CFM	5 minutes
2.5 CFM	4 minutes
3.0 CFM	3.5 minutes
3.5 CFM	3 minutes
4.0 CFM	2.5 minutes
4.5 CFM	2.5 minutes
5.0 CFM	2 minutes
5.5 CFM	2 minutes
6.0 CFM	2 minutes
6.5 CFM	2 minutes
7.0 CFM	1.5 minutes
7.5 CFM	1.5 minutes
8.0 CFM	1.5 minutes
8.5 CFM	1.5 minutes
9.0 CFM	1.5 minutes
9.5 CFM	1.5 minutes
10 CFM	1.5 minutes

- Stop sampler after elapsed time and record stop time on log.
- Disconnect the battery cables (red first) and place the whole air sampler into the 5 gallon bucket the sample holder facing upward. Cover sample holder with plastic baggie to prevent contamination. Place lid on bucket and place in vehicle.
- Remove all contaminated gloves and shoe covers and frisk hands and feet before reentering vehicle.
- Leave area to complete field screening (Annex D).

Annex D

Field Screening

- Field screening should be performed outside of the plume in a low background area
- With the Frisker take a ten second background reading and record on WV Field Monitoring Log in column G (Appendix 8)
- Remove sample holder assembly and place particulate filter paper and cartridge in separate plastic zip top bags using tweezers. Label both with the same sample location date, time, and number. Record the same information on Sample and Laboratory Data Sheet (Appendix 1).
- Remove nitrile gloves and replace with new nitrile outer gloves
- Using the E140N Frisker measure the count rate for the filter paper for at least ten seconds. Record this reading on WV Field Monitoring Log in column E (Appendix 8).
- Using the E140N Frisker measure the count rate for the cartridge (inflow side) for at least ten seconds and record this reading on the WV Field Monitoring Log in column F (Appendix 8).
- Bag the cartridge and filter paper into a separate bag with a completed Sample and Laboratory Data Sheet (Appendix 1).
- Properly dispose of any additional contaminated materials (ex. gloves, etc).
- Report results to Field Monitoring Team Leader and receive directions for sample disposition (generally, transport to Sample Reception Center and signed chain of custody section, then to laboratory for analysis).

Appendix 1

Sample and Laboratory Data Sheet

Send Results To:		Ohio Department of Health - Radiological Health Unit Sample and Laboratory Data Sheet				Sample Control Barcode		
Sample-ID						Agency Log No.		
Plant	Sector	Distance	Date Collected	Mil. Time	Code*			
Street	City	State	Zip	GPS Latitude:	GPS Longitude:			
<small>*Sample Codes AF-Animal Feed FI-Fish MT-Meat PR-Produce SL-Soil VE-Vegetation CC-Charcoal Cartridge FP-Filler Paper MI-Milk SE-Sediment WA-Water OT-Other</small>								
Collected by								
Last Name		First Name		Team		Agency Name		
Sampling Information								
Air Samples	Sampler Type: Filter Size			Comments:				
	Date ON:		Time ON (Military):		Date OFF:		Time OFF (Military):	
	Start FLOW: cfm or lpm		Stop FLOW: cfm or lpm		Total Volume: Cubic Feet		Total Volume: Liters Total Volume: Cubic Meters	
Soil Samples	Depth of Sample: cm			Vegetation collected? Yes () No ()				
	Sample Surface Area: cm ²			If Yes, Vegetation Sample Control #				
Water Samples	Surface ()		Ground / Well ()		Potable / Tap ()		Snow () Other ()	
Milk Samples	Cow ()		Goat ()		Other ()		Stored Feed () Pasture () Other ()	
	Milking Date:		Milking Time:		Comments:			
Other Samples	Fish ()		Meat ()		Vegetation ()		Produce () Animal Feed () Swine () Other ()	
	Describe:							
Field 1 Meter Reading:	Field Contact Reading:		Sample Contact Reading:		Duplicate/Split Sample # (If Applicable):			
To Be Filled Out By Laboratory Personnel								
Laboratory Name				Lab Sample No.				
Received by Last Name			First Name			Date		
Chain of Custody								
Note: For additional chain of custody entries, attach the same form								
RELINQUISHED BY		DATE	TIME	RECEIVED BY		DATE	TIME	
Print	Signature			Print	Signature			
Print	Signature			Print	Signature			
Print	Signature			Print	Signature			
Print	Signature			Print	Signature			
Print	Signature			Print	Signature			
Print	Signature			Print	Signature			
Analyzed by _____ Date ____/____/____ Sample Disposition _____								
Distribution White—with Sample to Laboratory Yellow—Central Office / PTC Pink—Subsitter / Sample Sender								

Appendix 2

Emergency Worker Dosimetry – KI Report Form

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Appendix 3

Equipment and Supplies

Field Monitoring Team Kits

- Plans and Procedures
- Low Range Survey Meter
- Low Range Survey Meter with Frisker
- High Range Survey Meter
- Portable Air Sampler
- AA-Cell Batteries
- D-Cell Batteries
- Air Sample Cartridges, filters, and holders
- 5 gallon bucket for Air Sampler
- Trash bags
- Stop watch
- Tweezers
- 15 amp Fuses
- One Quart size Plastic Zip-top bags
- One Gallon Plastic Zip-top bags
- 2.5 Gallon Plastic Zip-top bags
- Absorbent paper chucks
- Masking tape
- Flashlight
- Detailed area maps
- Marker
- Pens
- Clip Board
- Field Monitoring Worksheet
- Duct Tape
- Nitrile gloves
- Shoe covers
- Tyvek Coveralls
- Rubber boots
- N-95 Mask

Appendix 4

High Range “Ludlum Model 9-3” Survey Meter

Operational Check

- Verify calibration and date on label
- Ludlum Model 9-3 Ion Chamber
- Be sure switch is in OFF position
- Install 2 “AA” batteries
- Press and hold “BAT TEST” button to check batteries, reseal or replace if necessary
- Turn switch to lowest setting, open the cover on the check source that is attached to the Model 3 meter, check the operation of the meter with the window on the bottom OPEN, switch to a higher scale if needed
- Turn meter off after confirming proper operation

Operation of Meter

- Perform an Operational Check on meter
- Enter Make, Model and Serial Number on the WV Field Monitoring Team Log (Appendix 8) of the Survey Meter
- Place the meter and/or probe in plastic bag (especially if used outside of vehicle)
- When selecting a range, turn the knob slowly letting the needle settle, and then proceeding to next scale, as appropriate
- Place the knob on desired scale
- Allow at least 60 seconds response time for meter when taking a reading
- Remember to record all readings
- Before storage of the meter, remove batteries

Appendix 5

Low Range “Ludlum Model 3” Frisker

Operational Check

- Verify calibration and date on label
- Install 2 “D” batteries
- Connect the 44-9 probe with cable and remove protective cover
- Turn the switch to “BAT” to check batteries, reseal or replace if necessary
- Turn switch to lowest setting, open the cover on the attached check source and check the operation of the meter with the probe cover OFF, switch to a higher scale if needed, if measured reading varies by more than 20% of specified value, unit is defective, DO NOT USE
- Turn meter off after confirming proper operation

Operation of Meter

- Perform an Operational Check on meter
- Enter Make, Model and Serial Number on the WV Field Monitoring Team Log (Appendix 8) of the Survey Meter
- Place the probe in plastic bag (especially if used outside of vehicle)
- When selecting a range, turn the knob slowly letting the needle settle, and then proceeding to next scale, as appropriate
- Place the knob on desired scale
- Place the response knob to slow
- Allow at least 10 seconds response time for meter when taking a reading
- All reading of samples should be done outside of the plume/contaminated area
- Remember to record all readings in CPM
- Before storage of the meter, remove batteries and replace protective frisker cover

Appendix 6

Low Range “Ludlum Model 3” Survey Meter

Operational Check

- Connect the 44-6 probe with cable
- Turn the switch to “BAT” to check batteries, reseal or replace if necessary
- Turn switch to lowest setting, open the cover on the attached check source and check the operation of the meter with the probe OPEN and FACING the check source, switch to a higher scale if needed, if measured reading varies by more than 20% of specified value, unit is defective, DO NOT USE
- Turn meter off after confirming proper operation

Operation of Meter

- Perform an Operational Check on meter
- Place the meter and probe in plastic bag (especially if used outside of vehicle)
- When selecting a range, turn the knob slowly letting the needle settle, and then proceeding to next scale, as appropriate
- Place the knob on desired scale
- “Closed Window” reading is with the beta shield closed. Closed window reading will give gamma dose rate (mR/hr) only.
- “Open Window” reading is with the beta shield open. Open window reading will give a beta/gamma dose rate (mR/hr or CPM).
- Allow at least 5 seconds response time for the meter when taking a reading.
- Remember to record all readings
- Before storage of the meter, remove batteries and disconnect cables

Appendix 7

“H-809-C” Portable Air Sampler

Operational Check

- Verify calibration and date on label
- Place a clean particulate filter in the front ring (fuzzy side up)
- Place a clean cartridge in the cartridge holder (arrow pointing in)
- Install the sample holder on the air sampler
- Prepare to connect the sampler to power source. Use caution when connecting the air sampler power leads to vehicle battery, specifically avoiding moving engine parts, battery acid and corrosion, and making connection only if the vehicle and sampler are turned off.
- Connect the air sampler to a 12-volt battery, remembering that black (neutral, ground) leads should be connected before red (positive) leads.
- Turn on the air sampler
- Verify the flow rate tube is showing a consistent flow rate.

Operation of Meter

- Perform an Operational Check on meter
- Enter the Make, Model and Serial Number on the WV Field Monitoring Team Log (Appendix 8)
- Place a clean particulate filter in the front ring (fuzzy side up) while protecting from precipitation
- Place a clean cartridge (FMT leader will advise if charcoal or silver zeolite is to be used) in the cartridge holder (arrow pointing in) while protecting from precipitation
- Install the sample holder on the air sampler
- Prepare to connect the sampler to power source. Use caution when connecting the air sampler power leads to vehicle battery, specifically avoiding moving engine parts, battery acid and corrosion, and making connection only if the vehicle and sampler are turned off.
- Connect the air sampler to a 12-volt battery, remembering that black (neutral, ground) leads should be connected before red (positive) leads.
- Ensure that air sampler intake is not in close proximity to potentially contaminated surfaces.
- Turn on the air sampler
- Read the flow rate and determine sample time for a 10 cubic foot sample, rounding the flow rate down to the nearest half of cubic foot per minute
 - Sample time = 10 cu ft / Flow rate
- Remember to record all readings in CPM

Appendix 8

West Virginia Monitoring Team Log/Worksheet

Instructions For Each Survey Point

- A - Survey Point* - Enter the survey point designation (ex. 1, 2, 3). If a non-standard survey point is used, enter an asterisk in this column and put a description in column J for remarks.
- B - Date/Time* - Enter the time and date the measurement was taken. For air samples, use the start time of the sample period.
- C, D - Dose Rate* - Enter the closed window gamma dose rate in mR/hr in column C and the open window beta/gamma dose rate in mR/hr in column D.
- E, F, G - Field Screening* - Enter the gross count rates for particulates (column E), iodine (column F), and background count (column G) in counts per minute, CPM.
- H - Sample Volume* - Enter the air sample volume
- I - Cartridge Type* - Enter the media type (SZ for silver zeolite or C for charcoal)
- J - Net (k)CPM* - Calculate the values using column E-G for J_1 and F-G for J_2 .
- L - Concentration* - Calculate by taking column J and multiplying by column K then dividing by column H. Be sure to use the appropriate values in J_1 , K_1 or J_2 , K_2 .
- M - Total Concentration* - Add both L_1 and L_2 .
- N - Latitude/Longitude* - Record GPS reading.
- Note* - Use "none" for any column in which data was not collected

Instructions for One-Time Entries

- Instrument Make, Model and Serial Numbers* - All make, model and serial numbers for instruments used should be recorded in this column.
- Team #* - Mark appropriate team number (ex. 1, 2)
- Team Members* - List all persons on field monitoring team. Member #1 should be the team leader.
- Date* - Enter the current date (mm/dd/yyyy)
- CPM* - Enter the source reading from the operational check on the Frisker
- Beta Correction* - Enter the beta correction number from the calibration label
- Tech Team Signature* - Signature of field monitoring team leader
- Page* - Enter the current page number and total number of pages (ex. 2 of 5)

West Virginia Field Monitoring Worksheet

Survey Point	Date Time	Dose Rate, mR/hr		Sample Survey CPM, (k)CPM			Net (k)CPM	Sample Volume	Cart. Type	Conv. Factor	Concen. L1 Part. L2 Char	Total Concen. (L1+L2)	GPS Lat. / Long. (decimal)	Team Init.
FMP #	Mo/Day (24 hrs.)	Closed Window	Open Window	Gross Particulate	Gross Iodine	Bkg CPM	$\frac{E-G}{F-G}$	cu. ft.			$\frac{\mu\text{Ci}}{\text{cc}}$ / $\frac{\mu\text{Ci}}{\text{cc}}$	$\frac{\mu\text{Ci}}{\text{cc}}$ / $\frac{\mu\text{Ci}}{\text{cc}}$	$40^{\circ} 29.9311$ $-80^{\circ} 36.4811$	
A	B	C	D	E	F	G	J	H	I	K	L	M	N	O
							_____		Part. Char. SZ	1.6 E -10 5.3 E -11	_____		_____	
							_____		Part. Char. SZ	1.6 E -10 5.3 E -11	_____		_____	
							_____		Part. Char. SZ	1.6 E -10 5.3 E -11	_____		_____	
							_____		Part. Char. SZ	1.6 E -10 5.3 E -11	_____		_____	
							_____		Part. Char. SZ	1.6 E -10 5.3 E -11	_____		_____	
							_____		Part. Char. SZ	1.6 E -10 5.3 E -11	_____		_____	
							_____		Part. Char. SZ	1.6 E -10 5.3 E -11	_____		_____	
							_____		Part. Char. SZ	1.6 E -10 5.3 E -11	_____		_____	

Calculations: $L = J \times K / H$, Sum of $L1 + L2 = M$

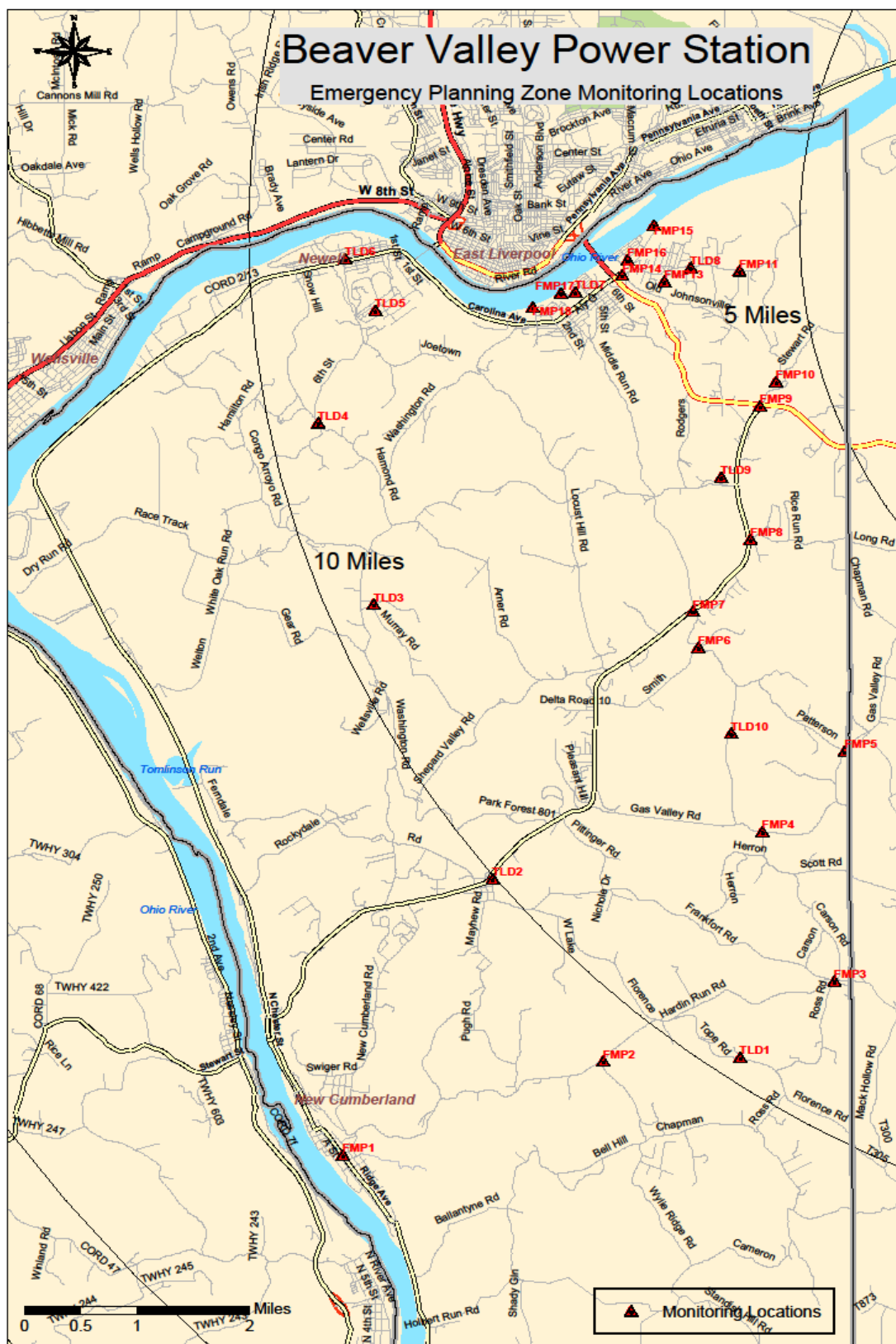
<u>Date And Time</u>	<u>Calculated By</u>	<u>Checked By</u>
_____	_____	_____

Meter Make, Model and Serial NumbersTeam Members:

Appendix 9

Field Monitoring Points and Map

1. Intersection of Rt. 2 and Rt. 7 (Hardins Run Rd) at Smith's – 40°29'42"N, 80°36'18"W
2. Intersection of Rt. 7 (Hardins Run Rd) and Rt. 9 (Wylie Ridge Rd) – 40°30'28"N, 80°33'39"W
3. Intersection of Rt. 7 (Hardins Run Rd) and Rt. 7/9 (Ross Rd) at the Camp Aura sign – 40°31'08"N, 80°31'19"W
Note: Turn around at Camp Aura sign and go back the way you came. Take Rt. 24 (Frankford Rd) and make a right turn onto Rt. 24/1 (Herron Rd). Drive through Herron Airport and turn left onto Rt. 18/1 (Scott Rd)
4. Intersection of Rt. 18 (Gas Valley Rd) and Rt. 18/1 (Carson Rd) – 40°32'22"N, 80°32'02"W
5. Intersection of Rt. 18 (Gas Valley Rd) and Rt. 14/2 (Patterson Rd) – 40°33'02"N, 80°31'12"W
6. Intersection of Rt. 14 (Middle Run Rd) and Rt. 42 (Smith Rd) at Maples Towing – 40°33'53"N, 80°32'40"W
7. Intersection of Rt. 14 (Middle Run Rd) and Rt. 8 (Veterans Blvd) – 40°34'12"N, 80°32'44"W
8. Intersection of Rt. 8 (Veterans Blvd) and Rt. 38 (Stewart Run Rd) – 40°34'47"N, 80°32'09"W
9. Intersection of Rt. 8 (Veterans Blvd) and Rt. 30 (Lincoln Hwy) – 40°35'53"N, 80°32'01"W
10. National Church Parking Lot on Rt. 16 (Pyramus Rd) – 40°36'05"N, 80°31'53"W
11. Intersection of Rt. 16 (Pyramus Rd) and Rt. 30/1 (Johnsonville Rd) across from Hillyards Greenhouse (White building and red barn) – 40°37'23"N, 80°32'14"W
12. Lawrenceville FD parking lot on Pyramus St. in Lawrenceville – 40°37'01"N, 80°32'44"W
13. Fox Nursing Home parking lot of Pyramus St. in Lawrenceville – 40°37'54"N, 80°33'01"W
14. Intersection of Rt. 2 (Ohio River Blvd) and Rt. 30 (Lincoln Hwy) at the Tea Pot in Chester – 40°36'59"N, 80°33'26"W
15. Chester Water Plant parking lot on Collins Memorial Drive in Chester – 40°37'18"N, 80°33'10"W
16. Intersection of 9th Street and Plutus Street at the Alicia Arms Apartments in Chester – 40°37'45"N, 80°33'23"W
17. Chester City Park River Access off Lovella and 5th Street in Chester – 40°36'53"N, 80°33'50"W
18. Ohio River Overlook on 1st Street in Chester – 40°36'42"N, 80°34'20"W



Appendix 10

Hancock County Office of Emergency Management

Hancock County Court House
102 N. Court Street
New Cumberland, WV



Appendix 11

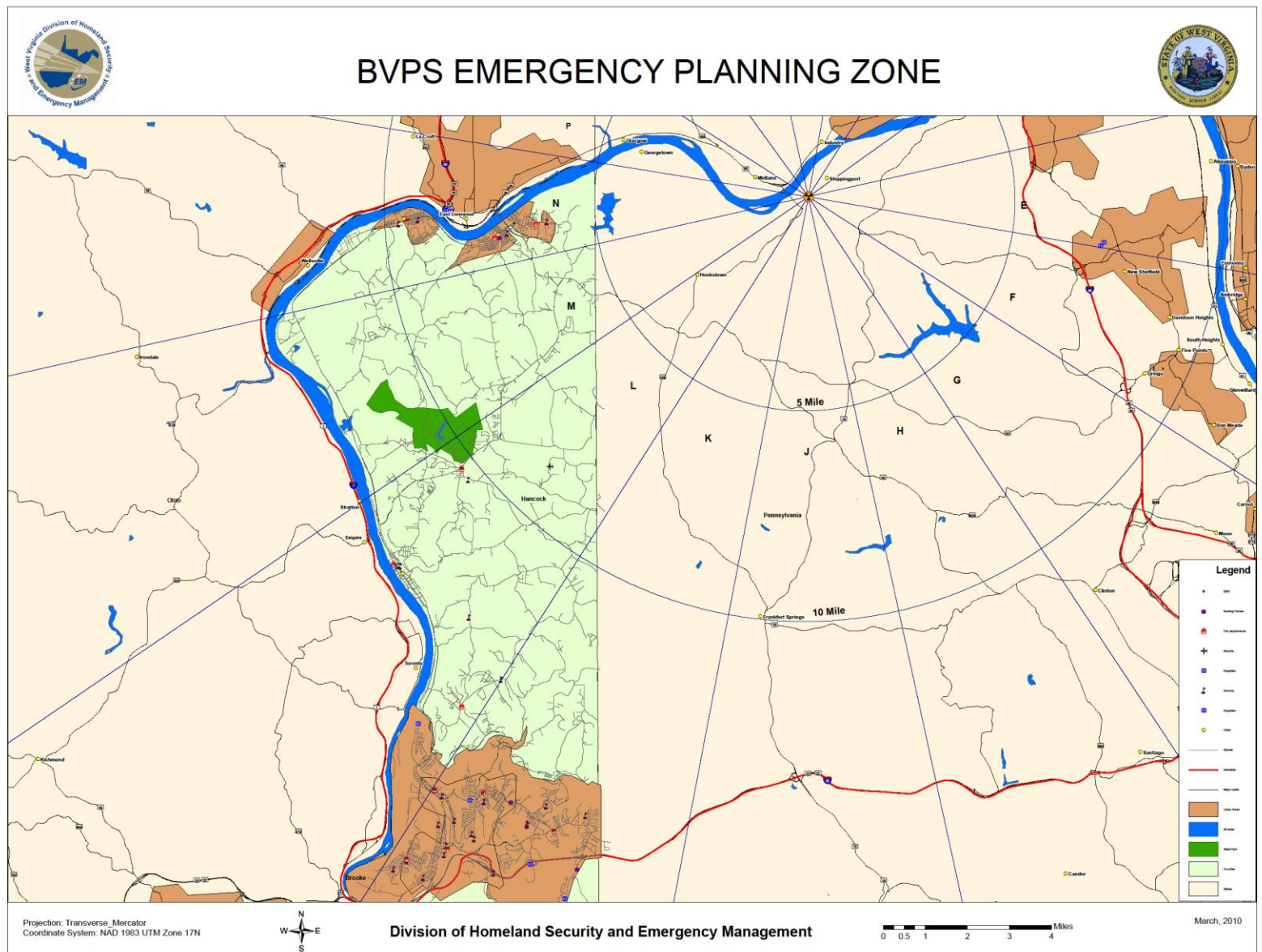
Emergency Worker Decontamination Center

*New Cumberland Volunteer Fire Department
303 North Chester Street
New Cumberland, WV*



Appendix 12

Ten-Mile Emergency Planning Zone Map



Appendix 13

Dressing Out in Personal Protective Equipment (PPE)

Donning PPE

- Put on Paper Coverall (Optional)
- Put on Shoe Covers
- Tape Coveralls to Shoe covers making a good seal, making sure to fold tape over itself for easier removal later.
- Put on hood and mask (Optional)
- Put on glove liners (Optional)
- Put on nitrile gloves
- Tape Coveralls to gloves making a good seal, making sure to fold tape over itself for easier removal later.
- Add second pair of gloves, but do not tape

Doffing PPE

- Remove all tape
- Remove outer pair of gloves
- Remove and read all dosimetry and pass to clean side
- Remove mask and hood
- Remove paper coverall starting from top and working down, being careful to avoid touching the outside of coveralls
- Remove one shoe cover and present foot for monitoring. When cleared foot may be placed on clean side.
- Remove second shoe cover and present foot for monitoring. When cleared foot may be placed on clean side.
- Remove second pair of gloves
- Follow worker instructions in final monitoring of entire body.

Appendix 14

Reference Documents

Criteria for Preparation and Evaluation of REP Plans and Preparedness in Support of Nuclear Power Plants, NUREG-0654/FEMA-REP-1, Rev. 1, As amended.

Guidance on Offsite Emergency Radiation Measurement Systems, FEMA-REP-2, Rev. 2, As amended.

Guide for Evaluation on Alert and Notification Systems, FEMA-REP-10, As amended.

Guidance for Offsite Measurement: The Milk Pathway, FEMA-REP-12, As amended.

Guidance for Offsite Measurement: Water and Non-Dairy, FEMA-REP-13, As amended.

REP Exercise Manual, FEMA-REP-14, Section C, As amended.

Contamination Monitoring Standard for Portal Monitors used in Radiological Emergency Response, FEMA-REP-21, As amended.

Contamination Monitoring Guidance for Portable Instruments used in Radiological Emergency Response, FEMA-REP-22, As amended.

FEMA General Memoranda on REP, GM-5, GM-20, GM-21, GM-24, GM PR-1, GM EV-2, GM MS-1, GM MS-1 Clarification, GM AN-1, GM IN-1.

FEMA Federal Policy on Use of Potassium Iodide, January 2002, As amended.

FEMA REP Guidance to States and Local Governments for Shelf Life Extension of Potassium Iodide, April 2007, As amended.

Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 93-288, as amended by Public Law 106-390, October 2000, As amended.

Review and Approval of State and Local Radiological Emergency Plans and Preparedness, 44 CFR 350, As amended.

Radiological Emergency Planning and Preparedness, 44 CFR 351, As amended.

Commercial Nuclear Power Plants: Emergency Preparedness Planning, 44 CFR 352, As amended.

National Response Framework, March 2008, As amended.

Standards for Protection Against Radiation, 10 CFR 20, May 1991, As amended.

Environmental Protection Agency Manual of Protective Action Guides and Protective Actions for Nuclear Incidents, EPA 400-R-92-001, May 1992, As amended.

Food and Drug Administration Accidental Radioactive Contamination of Human Food and Animal Feeds Recommendations for State and Local Agencies, August 1998, As amended.

Food and Drug Administration Guidance on Use of Potassium Iodide as a Thyroid Blocking Agent in Radiation Emergencies, December 2001, As amended.

United States Department of Agriculture Radiological Emergency Manual for Livestock, Poultry and Animal Products, December 1987, As amended.

West Virginia Emergency Operations Plan, February 2008, As amended.

West Virginia Radiological Emergency Preparedness Plan, As amended.

West Virginia Division of Homeland Security and Emergency Management Operations Standard Operating Procedure, As amended.

West Virginia Field Team Center Standard Operating Procedure, As amended.

West Virginia Field Sampling Team Standard Operating Procedure, As amended.

West Virginia Field Monitoring Team Standard Operating Procedure, As amended.

West Virginia Sample Reception Center Standard Operating Procedure, As amended.

State Emergency Services Act, Chapter 15, Article 5 of West Virginia State Code, As amended.

Radiological Emergency Information for Farmers and Food Processors in the State of West Virginia, As amended.

West Virginia University Disaster Handbook for Extension Agents, As amended.

West Virginia Emergency Alert System Plan, May 2007, As amended.

West Virginia Division of Health and Human Resources Bureau of Public Health Policy on Distribution and Use of Potassium Iodide, As amended.

Hancock County Radiological Emergency Response Plan, As amended.

Beaver Valley Power Station Emergency Preparedness Plan, As amended.

Appendix 15

NUREG Evaluation Criteria Crosswalk

****The references for each Evaluation Criterion are for this plan only and are not all inclusive****

NUREG-0654/FEMA REP-1 Criterion	Description	Reference in Plan
Assignment of Responsibility (Organization Control)	A.1.a Agencies Identified in EPZ Response	
	A.1.b Concept of Ops and Inter-relations	p. 2
	A.1.c Block Diagram of Inter-relations	
	A.1.d Individual in charge of Response	
	A.1.e 24-Hour Response/Communications	
	A.2.a Responsibilities of Major Elements	p. 2
	A.2.b Legal Basis for Such Authorities	p. 26
	A.3 Written Agreements Between Parties	
	A.4 24-Hour Operations and Responsibility	
Emergency Response and Support Resources	C.1.a Title of Requester of Fed Assistance	
	C.1.b Expected Federal Resources	
	C.1.c Local Support for Feds	
	C.2.a EOF Representatives Dispatched	
	C.3 Radiological Laboratories/Capability	
	C.4 Individuals Able to Assist in Nuclear	
Emergency Classification System	D.3 Classification Scheme Consistent	
	D.4 Actions Consistent with Recommendation	
Notification Methods and Procedures	E.1 Warning Points and Verification	
	E.2 Alerting/Mobilizing Personnel	
	E.5 Public Notification/EAS	
	E.6 Instructions to EPZ Public	
	E.7 Protective Action Instructions to Public	
Emergency Communications	F.1.a 24-Hour Communications/Response	
	F.1.b Communications with EPZ Governments	
	F.1.c Communications with Federal OROs	
	F.1.d Communications with EOF	
	F.1.e Alerting/Activating Personnel in OROs	
	F.2 Communication for Medical Support	
	F.3 Periodic Testing of Emergency Comm.	
Public Education and Information	G.1 Annual Info and Education	
	G.2 Annual Info and Education for Transients	
	G.3.a Points of Contact for Media in Emergency	
	G.4.a Spokesperson Designation	
	G.4.b Exchange of Information for PIOs	
	G.4.c Rumour Control Procedures	
	G.5 Annual Media Outreach	
Emergency Facilities and Equipment	H.3 Establish EOC	
	H.4 Activation of Facilities	
	H.7 Offsite Rad Monitoring Near Facility	
	H.10 Maintain Emergency Equipment	
	H.11 Appendix of Emergency Kits/Equipment	p. 12
	H.12 Central Receiving for Monitoring Data	

NUREG-0654/FEMA REP-1 Criterion		Description	Reference in Plan
Accident Assessment	I.7	Field Monitoring Capability	p. 2
	I.8	Methods of Rapid Assessment	p. 18
	I.9	Field Detection of Radioiodine in EPZ	p. 6-7, 17-18
	I.10	Relating Measurements to Dose Rates	
	I.11	Locating/Tracking Airborne Plume	
Protective Response Protective Response (cont.)	J.2	Evacuation Route Provisions	
	J.9	Capability to Implement Protective Actions	
	J.10.a	Route Maps with Sample Locations	
	J.10.b	Map Showing Population Distribution	
	J.10.c	Means for Notification to Entire Population	
	J.10.d	Protection of Special Populations	
	J.10.e	Provisions for Radioprotective Drugs	
	J.10.f	Decision Method for Radioprotective Drugs	
	J.10.g	Means of Relocation	
	J.10.h	Relocation Centers 5mi from EPZ	
	J.10.i	Traffic Capacities of Evacuation Routes	
	J.10.j	Access Control to Evacuated Areas	
	J.10.k	Control of Impediments to Evacuation	
	J.10.l	Time Estimates for Evacuation	
	J.10.m	Bases for Protective Action Choices	
	J.11	Ingestion Pathway Protective Actions	
	J.12	Registration/Monitoring of Evacuees	
Radiological Exposure Control	K.3.a	Capability for 24-hour Dose Projection	
	K.3.b	Dosimetry Read at Appropriate Intervals	
	K.4	Decision Chain for Authorizing Higher Doses	
	K.5.a	Action Levels for Decontamination	
	K.5.b	Means for Decontamination	
Medical and Public Health Support	L.1	Local/Backup Medical Services	
	L.3	Hospitals Capable of Admitting Contaminated	
	L.4	Medical Transportation	
Recovery and Reentry Planning and Post Accident Operations	M.1	Reentry Plans/Procedures	
	M.3	Informing Public of Recovery Operations	
	M.4	Estimation of Population Exposure	
Drills and Exercises	N.1.a	Exercises Require Offsite Response	
	N.1.b	Mobilization of State Adequate to Emergency	
	N.2.a	Monthly Communication Drills in EPZ	
	N.2.c	Annual Medical Emergency Drill	
	N.2.d	Annual Radiological Monitoring Drills	
	N.2.e	Semi-Annual Health Physics Drills	
	N.3.a	Identification of Basic Objectives for Drills	
	N.3.b	Identification of Date, Time, and Place for Drills	
	N.3.c	Identification of Simulated Events for Drill	
	N.3.d	Identification of Schedule of Events for Drill	
	N.3.e	Identification of Narrative Summary for Drill	
	N.3.f	Description of Arrangements for Observers	
	N.4	Critique at the End of Drills/Exercises	
	N.5	Means of Corrections from Exercises	

NUREG-0654/FEMA REP-1 Criterion		Description	Reference in Plan
Radiological Emergency Response Training	O.1	Training of Appropriate Individuals	
	O.1.b	Offsite Agency Training	
	O.4.a	Offsite Training Program for Directors	
	O.4.b	Offsite Training Program for Assessment	
	O.4.c	Offsite Training Program for Rad Monitoring	
	O.4.d	Offsite Training Program for Police/Fire	
	O.4.f	Offsite Training Program for Rescue	
	O.4.g	Offsite Training Program for Local EM	
	O.4.h	Offsite Training Program for Medical Persons	
	O.4.j	Offsite Training Program for Communicators	
	O.5	Annual Training/Retraining of Personnel	
Responsibility for Planning Effort: Development, Periodic Review, and Distribution of Emergency Plans	P.1	Planning Individuals Training	
	P.2	Planning Authority by Title	
	P.3	Plan Update Responsibility	
	P.4	Annual Update Provision	
	P.5	Revisions Communicated to Organizations	
	P.6	List of Support Plans	p. 26
	P.7	List of Required Procedures	p. 26
	P.8	Table of Contents/Cross-Reference	p. 28
	P.10	Quarterly Update of Telephone Numbers	